

## INTERNATIONAL SEARCH REPORT

 International application No.  
PCT/US00/27844

C31

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : Please See Extra Sheet.

US CL : Please See Extra Sheet.

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 514/339, 256, 336, 338, 357, 337, 249, 299, 314, 303 ; 546/277.4, 281.1, 275.7, 284.1, 112, 167, 118; 544/333, 105

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

STN EXPRESS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Database CAPLUS on STN, AN 1986:68547, STUETZ et al. "Synthesis and structure-activity relationships of naftifine-related allyamine antimycotics" Abstrct, J. Med. Chem. (1986), 29(1), 112-25, see entire abstract.	1, 2, 6, 10
X	Database CAPLUS on STN, AN 1991:428908, FUSE et al. "Preparation of cinnamamide derivatives as antihyperlipidemics" abstract, EP 407200 A1, 09 January 1991(1991.01.09), see entire abstract.	1-6, 10, 14
A	Database CAPLUS on STN, AN 1999:325910, ASLANIAN et al. "Preparation of phenylalkylimidazoles as H3 receptor antagonists" Abstract, WO 9924406 A1, 20 May 1999 (1999.05.20), see entire abstract.	1-18

☐ Further documents are listed in the continuation of Box C.
 ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

14 DECEMBER 2000

Date of mailing of the international search report

25 JAN 2001

 Name and mailing address of the ISA/US  
Commissioner of Patents and Trademarks  
Box PCT  
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

  
JANE FAN

Telephone No. (703) 308-0196

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US00/27844

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Please See Extra Sheet.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-18

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/27844

## A. CLASSIFICATION OF SUBJECT MATTER:

IPC (7):

C07D 401/12, 405/12, 209/14, 215/38, 221/02, 265/36, 498/02, 471/02; A61K 31/495, 31/381, 31/4436, 31/4439, 31/47, 31/506, 31/5365

## A. CLASSIFICATION OF SUBJECT MATTER:

US CL :

514/339, 256, 336, 338, 357, 337, 249, 299, 314, 303 ; 546/277.4, 281.1, 275.7, 284.1, 112, 167, 118; 544/333, 105

## BOX II. OBSERVATIONS WHERE UNITY OF INVENTION WAS LACKING

This ISA found multiple inventions as follows:

This application contains the following inventions or groups of inventions which are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for all inventions to be searched, the appropriate additional search fees must be paid.

Group I, claim(s) 1-18, drawn to various organic compounds, their preparation, their composition and method of using the same.

Group II, claim(s) 19, drawn to a process of preparing crotonoyl-ACP in the presence *S. pneumoniae* ACP synthase.

Group III, claim(s) 20, drawn to a method of screening for an inhibitor of Fab I or FabK.

The inventions listed as Groups I-III do not relate to a single inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: similar compounds have other uses, such as antifungal agents besides for the preparation of crotonoyl-ACP. Note

CA104:68547.